DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

104° 20' 00" W
104° 15' 00" W
104° 10' 00" W
104° 05' 00" W
104° 00' 00" W
103° 55' 00" W
103° 50' 00" W
103° 45' 00" W
103° 40' 00" W
103° 35' 00" W
103° 30' 00" W
103° 25' 00" W
103° 20' 00" W
103° 15' 00" W

35° 45' 45" N
35° 45' 00" N
35° 40' 00" N
35° 35' 00" N
35° 30' 00" N
35° 29' 15" N

1-0
2-0
3-0
4-0
5-0
6-0
7-0
8-0
9-0
10-0
11-0
12-0
13-0
14-0
15-0
16-0
17-0
18-0
19-0
20-0
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22-0
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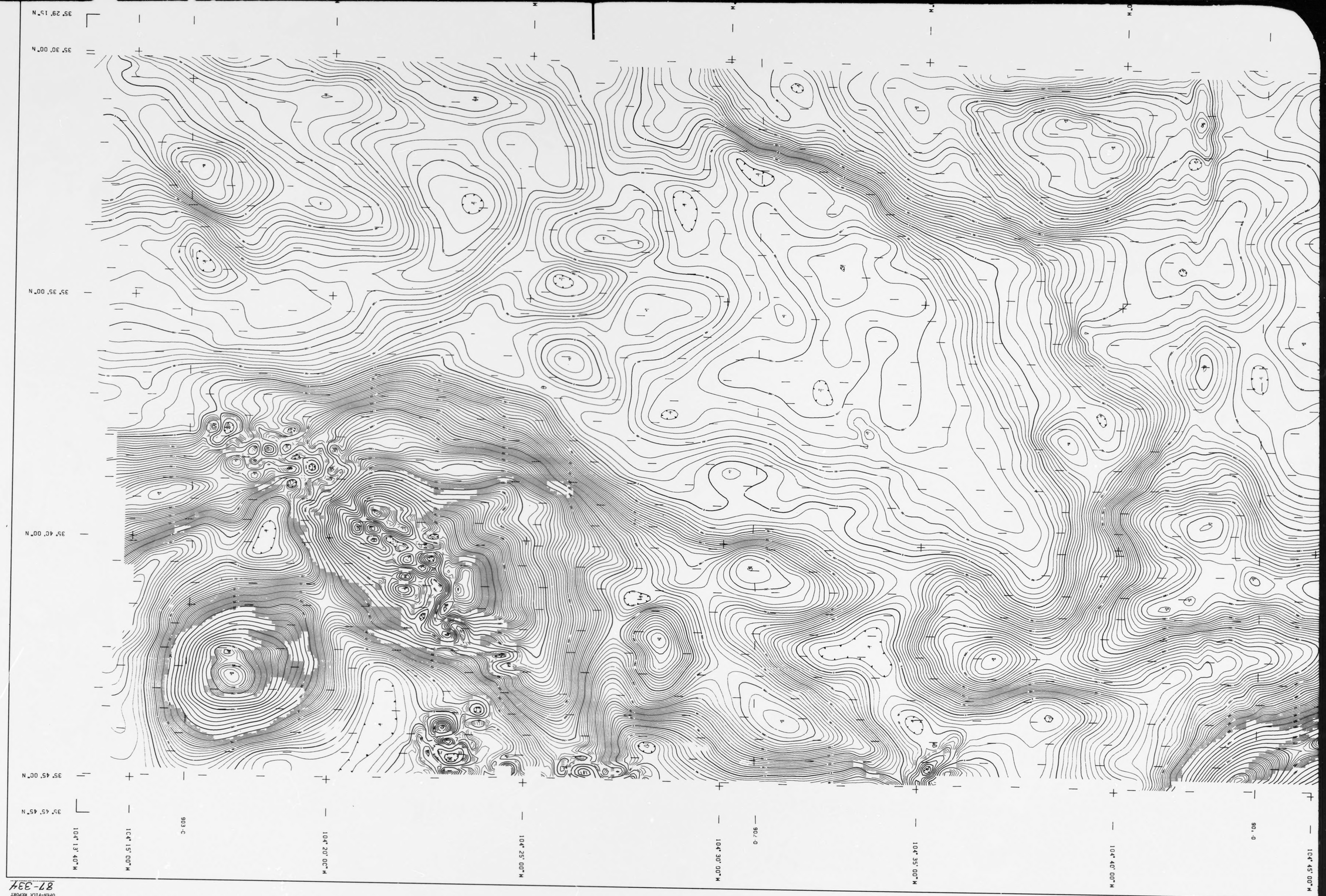
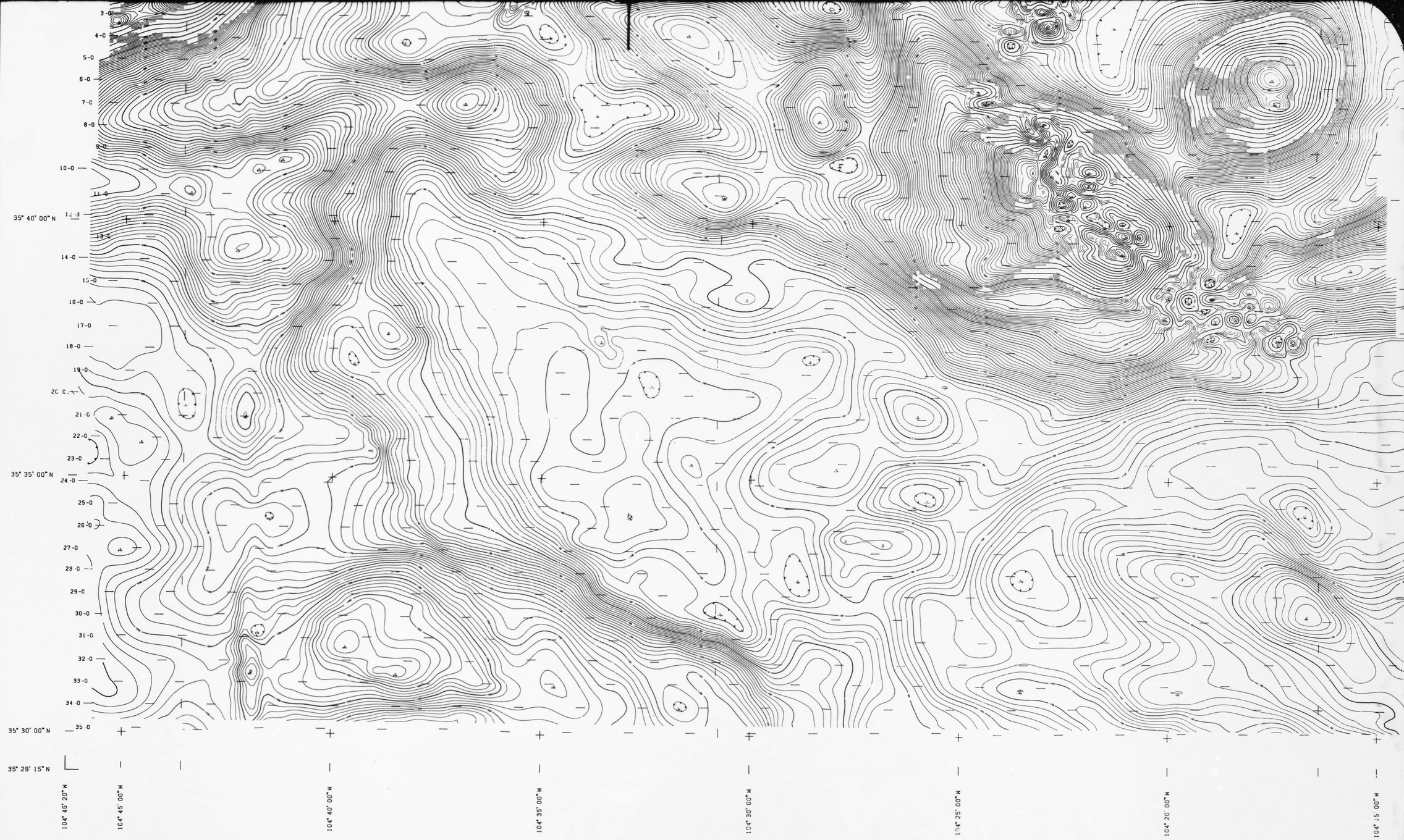
31-0
32-0
33-0
34-0
35-0

OPEN-FILE REPORT
87-334





SURVEY SPECIFICATIONS

Contour Interval:	20 Gammas
Flight Line Spacing Traverse Lines:	0.50 Mile
Tie Lines :	12.5 Miles
Flight Line Direction:	EAST - WEST
Tie Line Direction :	NORTH - SOUTH
Sample Interval:	173.8 Feet
Flight Path Record:	JVC Color Video Camera
Digital Acquisition System:	GeoMetrics G-714
Latitude and Longitude interval:	5.0 Minutes
Survey Altitude:	300 Feet ATC
Projection:	Universal Transverse Mercator
Grid Zone:	13
Spheroid:	Clarke 1866 Spheroid
Flight line recovery:	Visually to 1:24000 USGS topos
Magnetometers:	GeoMetrics G-813 Proton Precession
Sensitivity:	0.01 Gamma
Flown:	December, 1985
Flown by:	Airborne Geophysics, Inc.
Compiled by:	EG&G GeoMetrics

Corrected Total Intensity Magnetometer Value Before Removal of IGRF

X-LCTN-METERS :	521662.187
Y-LCTN-METERS :	428448.811
TIME :	13.325
MAG-CORR-DNL-GAMMAS :	52774.653

PROCESSING DETAILS:

Reference field:	1980 IGRF Updated to 1985.9
Diurnal:	Removed
Type of Filtering:	None
Levelling:	DC Bias adjusted by least squares
Interpolation Method:	Minimum Curvature with Bicubic Spline
Magnetic Declination:	10.4000 Degrees
Primary Grid Size:	365.76m by 365.76m

Tie Lines were not used in Interpolation
Type of Data: Gradient Enhanced Residual Magnetic Data From Horizontal Gradiometer

AEROMAGNETIC MAP OF THE SABINOSO AREA, NORTHEASTERN NEW MEXICO

BY

U.S. GEOLOGICAL SURVEY

1987

SCALE 1:50 000

0 1 2 3 4 MILES

0 1 2 3 4 KILOMETERS

N

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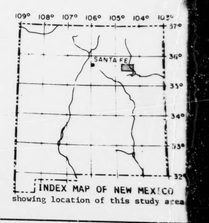

INDEX MAP OF NEW MEXICO showing location of this study area

35° 40' 00" N

35° 35' 00" N

35° 30' 00" N

35° 29' 15" N

104° 45' 00" W

104° 40' 00" W

104° 35' 00" W

104° 30' 00" W

104° 25' 00" W

104° 20' 00" W

104° 15' 00" W

104° 13' 40" W

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	12.5 Miles
	EAST - WEST
	NORTH - SOUTH
	173.8 Feet
	JVC Color Video Camera
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...iversal Transverse Mercator	
	13
	Clarke 1866 Spheroid
...ually to 1:24000 USGS topos	
...rics G-813 Proton Precession	
	0.01 Gamma
	December, 1985
	Airborne Geophysics, Inc.
	EG&G GeoMetrics

Corrected Total Intensity Magnetometer Values Before Removal of IGRF

X-LCTN-METERS :	521662.187
Y-LCTN-METERS :	4284[illegible].81[illegible]
TIME :	13.325
MAG-CORR-DNL-GAMMAS :	52774.653

PROCESSING DETAILS:

Reference Field:	1980 IGRF Updated to 1985.9
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0 1 2 3 4 MILES

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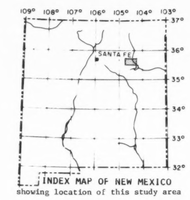

INDEX MAP OF NEW MEXICO
showing location of this study area